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Abstract

Social Disorganization & Its Relationship to Crime In The Kingdom of Saudi Arabia From 1974-2010

Talal M. Timyat

Mu'tah University, 2011

The study aimed to identify the impact of indicators of social disorganization on the crime rates in the society of Saudi Arabia (1974-2010), and, in order to achieve this goal, the research rely on secondary data related to this area prepared by the Department of Statistics and Information in Saudi Arabia and some international institutions and organization such as Databases of the World Bank and United Nations. Statistically, correlation, and regression tests were used.

The research findings revealed the following:

Crimes rates increased by 10.2 percent as growth rate, drug crimes increased at a rate of 10 percent and the rate of convicts number increased by 3.9 percent. Crime rates increased as the population density and the number of divorce cases increased. Crime rates increased as the number of the rural population in urban areas and the urban population in rural areas rises, and decreased in the case of homogeneity of the population of rural and urban centers. Crime rates increases in case of higher rates of unemployment, especially in females, and decreases in the case of economic stability and low rates of economic dependency in the family. Crime rates (drug crimes) increased, as attendance rates in education increases, especially in females, decreases in the cases of truancy and high rates of repetition and failure, and finally, the study presented some recommendations

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 .(Sue,1980) (Stack,1984) (Chiu& Madden,1998) (2000
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(Statistic Measures Descriptive)		-1
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	$\ln y = a \mp b t$	
(t)	(b)	(y)
	(Pearson Correlation)	-3
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.(8.1378=F 0.01 $\geq\alpha$)

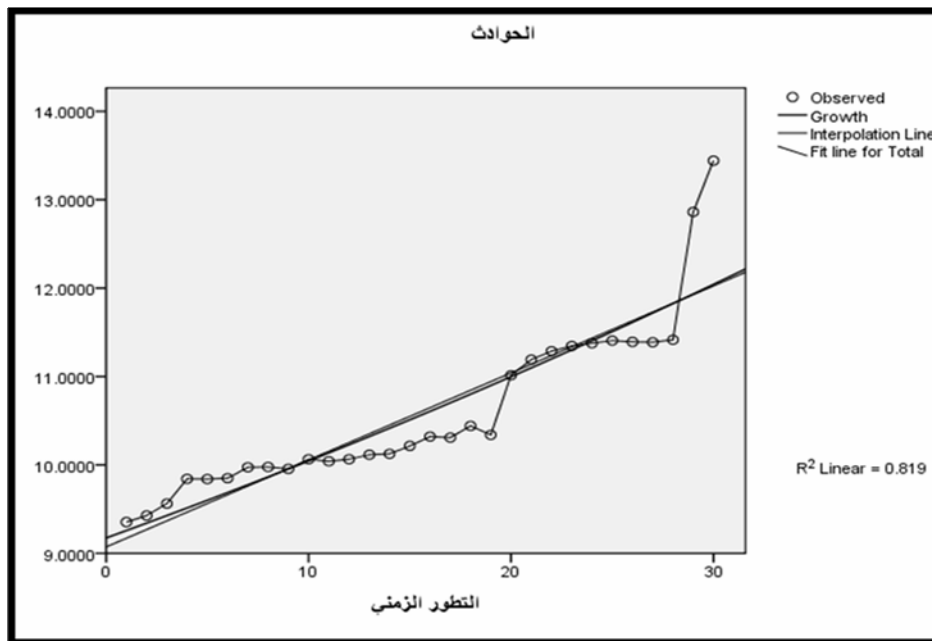
$$\ln(y) = 9.027^{**} + 0.102^{**}t. \dots (1) \quad R^2$$

$$= 81.9\%, \quad F \quad 1378.8^{**} \quad (**=\alpha \leq 0 > 0.01)$$

(0.102)

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24964	1993	1370	1974
27307	1994	1304	1975
30354	1995	1247	1976
29987	1996	5063	1977
34238	1997	5589	1978
30932	1998	11153	1979
60772	1999	11536	1980
72512	2000	12420	1981
79785	2001	14220	1982
84599	2002	18814	1983
87207	2003	18762	1984
89873	2004	18956	1985
88609	2005	21452	1986
88210	2006	21513	1987
90671	2007	21054	1988
385191	2008	23490	1989
688197	2009	22952	1990
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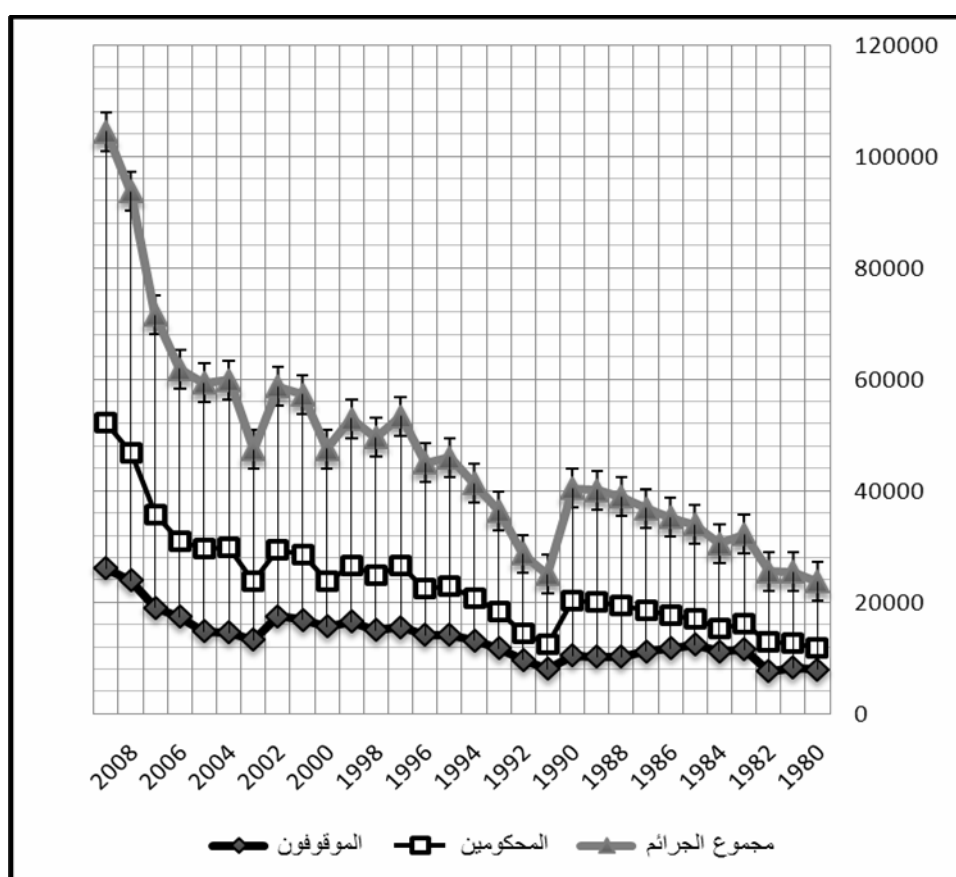
2

.(4.1496=F 0.01≥α)

%83

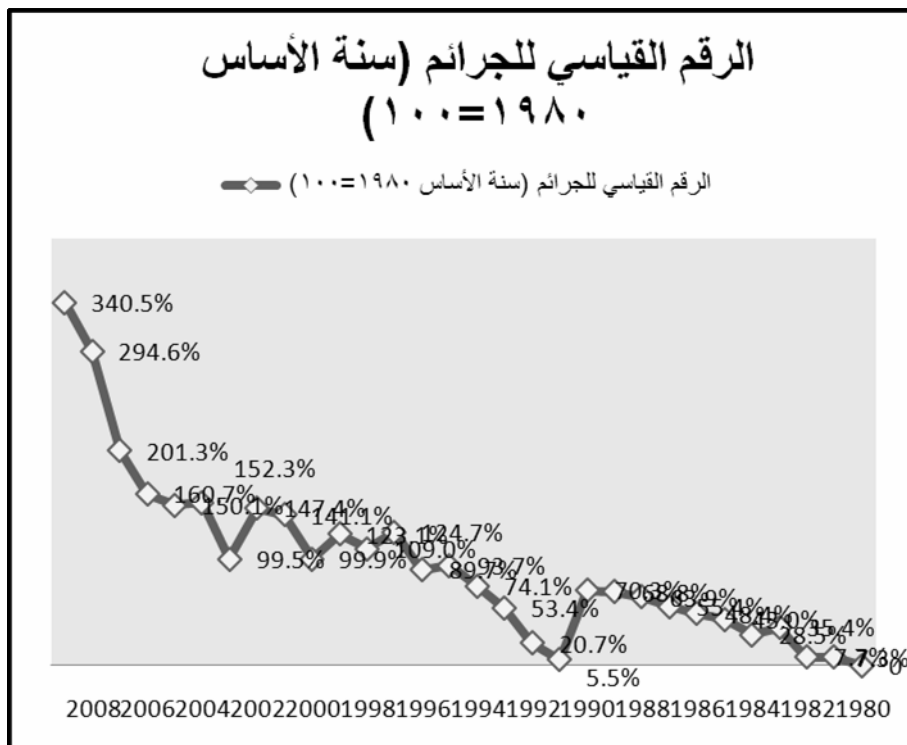
$$\ln(y) = 9.39^{**} + 0.039^{**}t. \dots (2) \quad R^2 = 83.4\%, \quad F = 1496.4^{**} \quad (**=\alpha \leq 0 > 0.01)$$

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(%86)

.(4.1810=F 0.01≥α)

$$\ln(y) = 5.644^{**} + 0.082^{**}t. \dots (3) \quad R^2 = 85.9\%, \quad F = 1810.4^{**} \quad (**=\alpha \leq 0 > 0.01)$$

$$(4) \quad (0.004)$$

$$(8.11=F \quad 0.01 \geq \alpha)$$

$$. \quad (\%19.5)$$

$$\begin{aligned} \ln(y) &= 5.216^{**} - 0.004^{**}t. \quad \dots (4) \quad R^2 = 19.5\%, \quad F \\ &= 11.8^{**} \quad (**=\alpha \leq 0 > 0.01) \end{aligned}$$

$$(5)$$

$$(0.004)$$

$$.(8.1198=F \quad 0.01 \geq \alpha) \quad (\%80)$$

$$\begin{aligned} \ln(y) &= 8.57^{**} + 0.004^{**}t. \quad \dots (5) \quad R^2 = 80.1\%, \quad F \\ &= 1198.8^{**} \quad (**=\alpha \leq 0 > 0.01) \end{aligned}$$

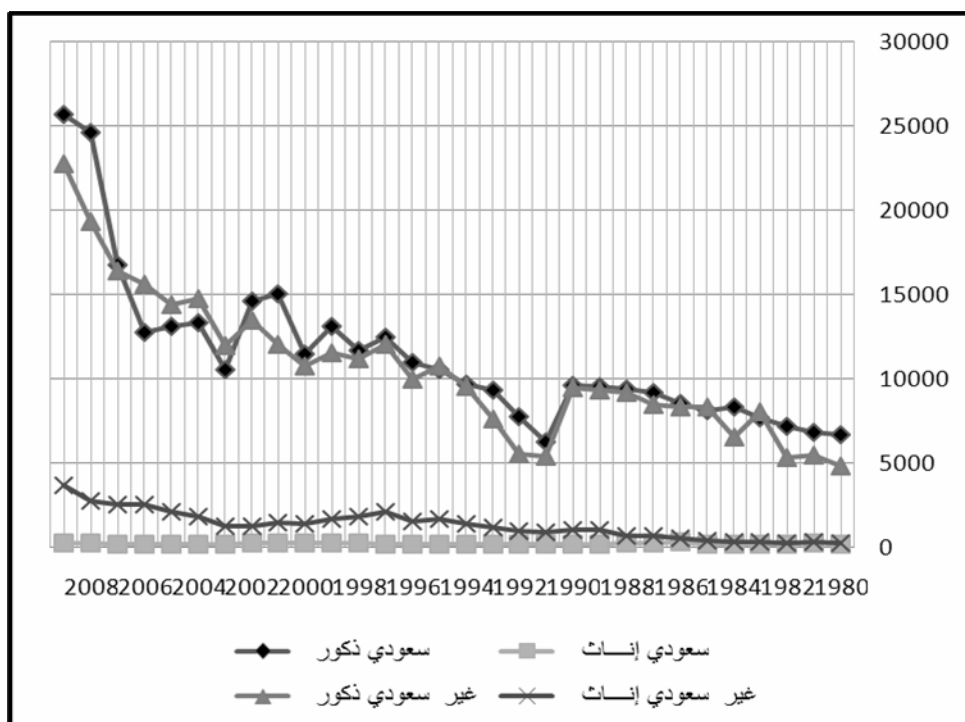
$$(6)$$

$$(0.035)$$

$$.(\%77) \quad (2.997=F \quad 0.01 \geq \alpha)$$

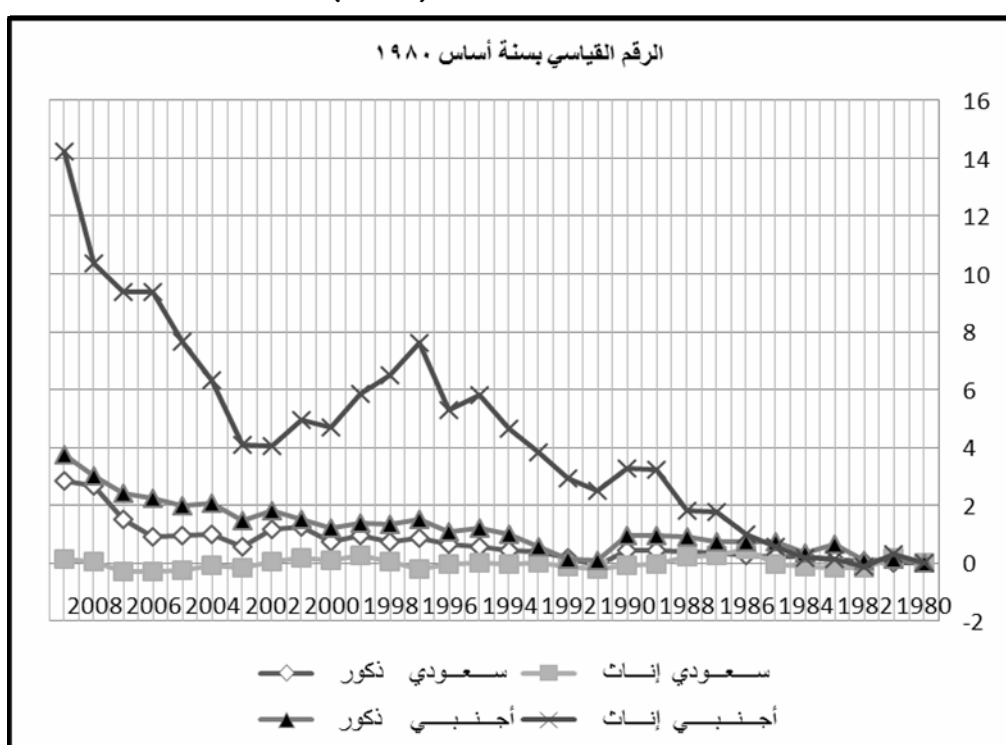
$$\begin{aligned} \ln(y) &= 8.73^{**} + 0.035^{**}t. \quad \dots (6) \quad R^2 = 77\%, \quad F \\ &= 997.2^{**} \quad (**=\alpha \leq 0 > 0.01) \end{aligned}$$

$$(4)$$



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11865	241	4786	177	6661	3912	7953	1980
12736	317	5450	210	6759	4436	8300	1981
12784	216	5287	150	7131	5211	7573	1982
16064	277	8012	147	7628	4541	11523	1983
15248	286	6523	156	8283	4100	11148	1984
16965	377	8321	169	8098	4605	12360	1985
17607	480	8323	264	8540	5867	11740	1986
18435	665	8420	225	9125	7274	11161	1987
19442	674	9159	218	9391	9234	10208	1988
20026	1019	9304	168	9535	9811	10215	1989
20207	1028	9405	164	9610	9728	10479	1990
12514	845	5329	137	6203	4526	7988	1991
14325	949	5473	158	7745	4692	9633	1992
18206	1160	7599	177	9270	6436	11770	1993
20652	1362	9491	169	9630	7457	13195	1994
22981	1638	10688	177	10478	8806	14175	1995
22504	1516	9911	174	10903	8415	14089	1996
26663	2078	12029	143	12413	11134	15529	1997
24797	1804	11144	190	11659	9772	15025	1998
26465	1656	11514	225	13070	9909	16556	1999
23720	1377	10685	193	11465	8107	15613	2000
28612	1430	11993	209	14980	11822	16790	2001
29357	1213	13409	185	14550	11914	17443	2002
23676	1228	11917	149	10481	10381	13295	2003
29933	1763	14744	161	13265	15381	14552	2004
29673	2088	14350	133	13102	14842	14831	2005
30928	2500	15551	128	12749	13557	17371	2006
35752	2498	16371	128	16755	16682	19070	2007
46819	2744	19285	187	24603	22882	23937	2008
52267	3669	22725	201	25672	26040	26127	2009

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%3.7	%5.31	%9.13	%6.18	%5.1	1981
%7.7	%4.10-	%5.10	%3.15-	%1.7	1982
%4.35	%9.14	%4.67	%9.16-	%5.14	1983
%5.28	%7.18	%3.36	%9.11-	%4.24	1984
%0.43	%4.56	%9.73	%5.4-	%6.21	1985
%4.48	%2.99	%9.73	%2.49	%2.28	1986
%4.55	%9.175	%9.75	%1.27	%0.37	1987
%9.63	%7.179	%4.91	%2.23	%0.41	1988
%8.68	%8.322	%4.94	%1.5-	%1.43	1989
%3.70	%6.326	%5.96	%3.7-	%3.44	1990
%5.5	%6.250	%3.11	%6.22-	%9.6-	1991
%7.20	%8.293	%4.14	%7.10-	%3.16	1992
%4.53	%3.381	%8.58	%0.0	%2.39	1993
%1.74	%1.465	%3.98	%5.4-	%6.44	1994
%7.93	%7.579	%3.123	%0.0	%3.57	1995
%7.89	%0.529	%1.107	%7.1-	%7.63	1996
%7.124	%2.762	%3.151	%2.19-	%4.86	1997
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%1.123	%1.587	%6.140	%1.27	%2.96	1999
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%1.141	%4.493	%6.150	%1.18	%9.124	2001
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%7.160	%3.937	%9.224	%7.27-	%4.91	2006
%3.201	%5.936	%1.242	%7.27-	%5.151	2007
%6.294	%6.1038	%9.302	%6.5	%4.269	2008
%5.340	%4.1422	%8.374	%6.13	%4.285	2009

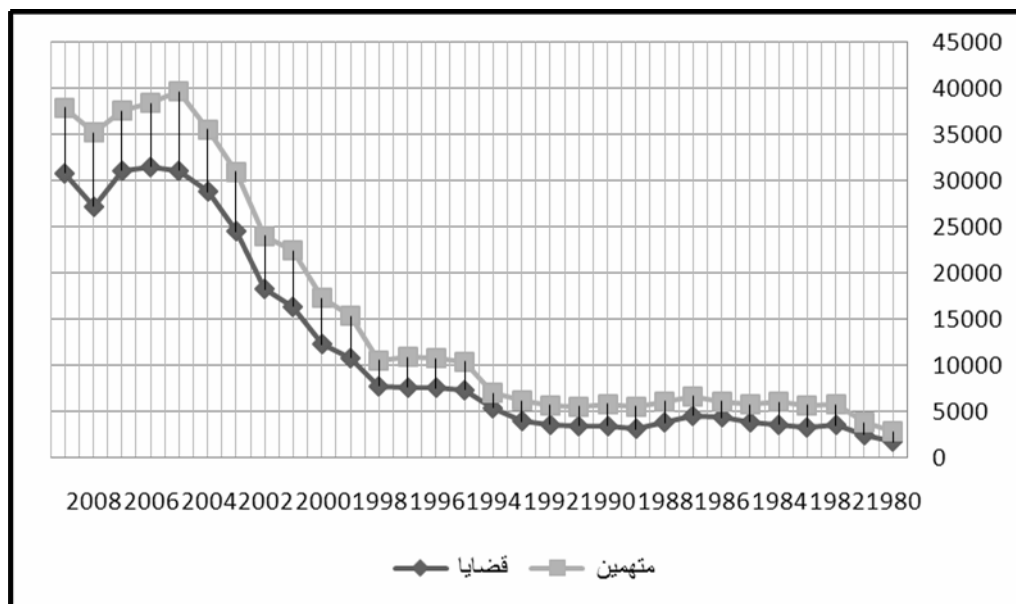
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10685	7474	1996	2802	1634	1980
10794	7539	1997	3730	2403	1981
10465	7736	1998	5680	3492	1982
15297	10727	1999	5640	3232	1983
17199	12204	2000	5971	3562	1984
22349	16325	2001	5672	3822	1985
23921	18154	2002	6046	4279	1986
30871	24399	2003	6589	4527	1987
35440	28737	2004	6033	3737	1988
39586	31019	2005	5457	3039	1989
38306	31431	2006	5777	3383	1990
37514	30998	2007	5515	3396	1991
35099	27109	2008	5628	3548	1992
37828	30768	2009	6089	3917	1993
			6923	5353	1994
			10328	7303	1995

(2009

1985)

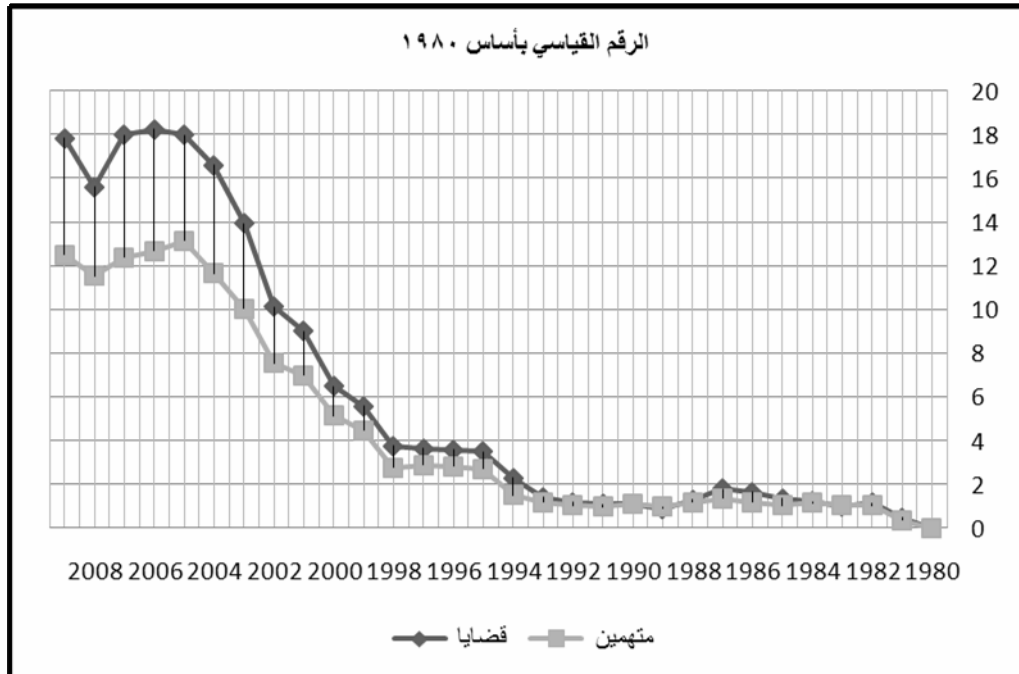
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(7)

(2009 1980) (1980)



7

%10

.%90.3

(8.2769=F 0.01 $\geq\alpha$)

$$\ln(y) = 8.73^{**} + 0.035^{**}t. \dots (7) \quad R^2 = 77\%, \quad F = 997.2^{**} \quad (**=\alpha \leq 0 > 0.01)$$

(6)

(1980)	(2009	1980)	
%33.1		%47.1	1981
%102.7		%113.7	1982
%101.3		%97.8	1983
%113.1		%118.0	1984
%102.4		%133.9	1985
%115.8		%161.9	1986
%135.2		%177.1	1987
%115.3		%128.7	1988
%94.8		%86.0	1989
%106.2		%107.0	1990
%96.8		%107.8	1991
%100.9		%117.1	1992
%117.3		%139.7	1993
%147.1		%227.6	1994
%268.6		%346.9	1995
%281.3		%357.4	1996
%285.2		%361.4	1997
%273.5		%373.4	1998
%445.9		%556.5	1999
%513.8		%646.9	2000
%697.6		%899.1	2001
%753.7		%1011.0	2002
%1001.7		%1393.2	2003
%1164.8		%1658.7	2004
%1312.8		%1798.3	2005
%1267.1		%1823.6	2006
%1238.8		%1797.1	2007
%1152.6		%1559.1	2008
%1250.0		%1783.0	2009

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(2010-1974)

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(8) (7)

(%100)

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%150

(1992)

.(2010)

%200

(8)

(1000) (23)

(7288.86=F 0.01≥α)

.%98.8

$$\ln(y) = 16.068^{**} + 0.023^{**}t. \dots (8) \quad R^2 = 98.8\%, \quad F = 7288.86^{**} \quad (**=\alpha \leq 0 > 0.01)$$

(9)

(23)

.(%99.1)

(9514.8=F 0.01≥α)

$$\ln(y) = 15.384^{**} + 0.023^{**}t. \dots (9) \quad R^2 = 99.1\%, \quad F = 9514.8^{**} \quad (**=\alpha \leq 0 > 0.01)$$

(10)

(23)

0.01≥α)

.(%98.5)

(5737=F

$$\ln(y) = 15.366^{**} + 0.023^{**}t. \dots (10) \quad R^2 = 98.5\%, \quad F$$

$$= 5737^{**} \quad (**=\alpha \leq 0 > 0.01)$$

(11)

(1000) (25)

$0.01 \geq \alpha$)

.(%99.5)

(18452.22=F

$$\ln(y) = 13.841^{**} + 0.025^{**}t. \dots (11) \quad R^2 = 99.5\%, \quad F$$

$$= 18452.22^{**} \quad (**=\alpha \leq 0 > 0.01)$$

(100) (24)

(12)

(1000) (25)

(37003.12=F $0.10 \geq \alpha$)

.(%99.8)

$$\ln(y) = 16.36^{**} + 0.024^{**}t. \dots (12) \quad R^2 = 99.8\%, \quad F$$

$$= 37003.12^{**} \quad (**=\alpha \leq 0 > 0.01)$$

(82) (13)

(33.522=F $0.01 \geq \alpha$)

.(%27.1)

$$\ln(y) = 14.664^{**} + 0.082^{**}t. \dots (13) \quad R^2 = 27.1\%, \quad F$$

$$= 33.522^{**} \quad (**=\alpha \leq 0 > 0.01)$$

(42) (14)

(5737=F $0.01 \geq \alpha$)

.(%98.5)

$$\ln(y) = 15.563^{**} + 0.024^{**}t. \dots (14) \quad R^2 = 98.7\%, \quad F$$

$$= 6920.5^{**} \quad (**=\alpha \leq 0 > 0.01)$$

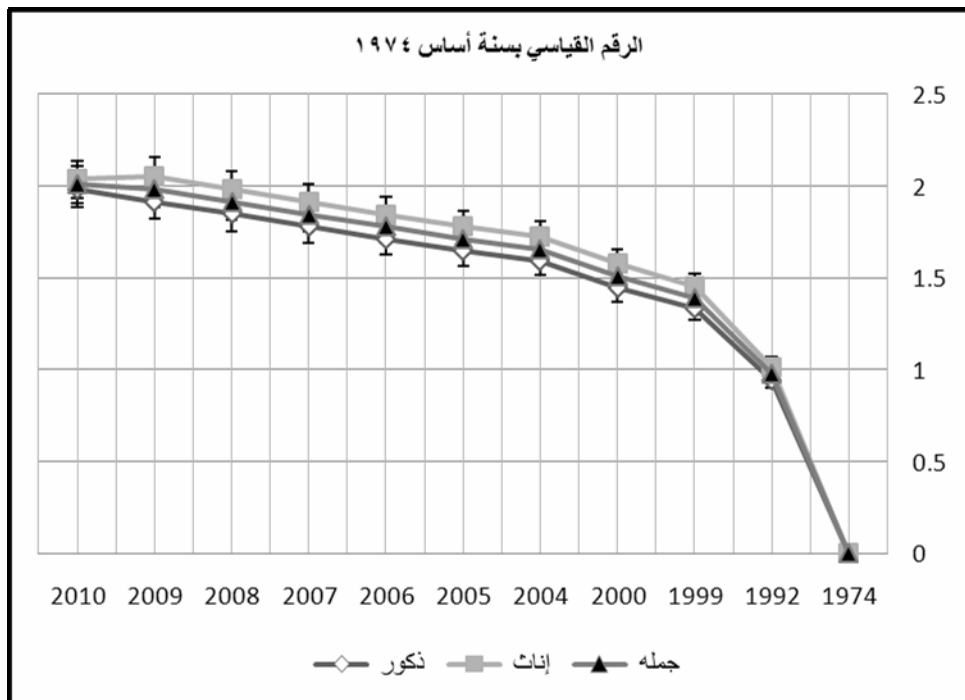
(2010-1974)

7009466	3287251	3722215	791105	262434	528671	6218361	3024817	3193544	1974
16948388	7468415	9479973	4638335	1374155	3264180	12310053	6094260	6215793	1992
19895232	9090106	10805126	5022428	1674652	3347776	14872804	7415454	7457350	1999
20846884	9531918	11314966	5258079	1743164	3514915	15588805	7788754	7800051	2000
22678262	10121022	12557240	6150922	1881052	4269870	16527340	8239970	8287370	2004
23118994	10327664	12791330	6264837	1926604	4338233	16854157	8401060	8453097	2005
23678849	10588009	13090840	6408668	1981425	4427243	17270181	8606584	8663597	2006
24242578	10850652	13391926	6551242	2035982	4515260	17691336	8814670	8876666	2007
24807273	11114181	13693092	6691723	2089880	4601843	18115550	9024301	9091249	2008
25373512	11378919	139945393	6830266	2143223	4687043	18543246	9235696	9307550	2009
27136977	11676830	15460147	8429401	2496427	5932974	18707576	9180403	9527173	2010

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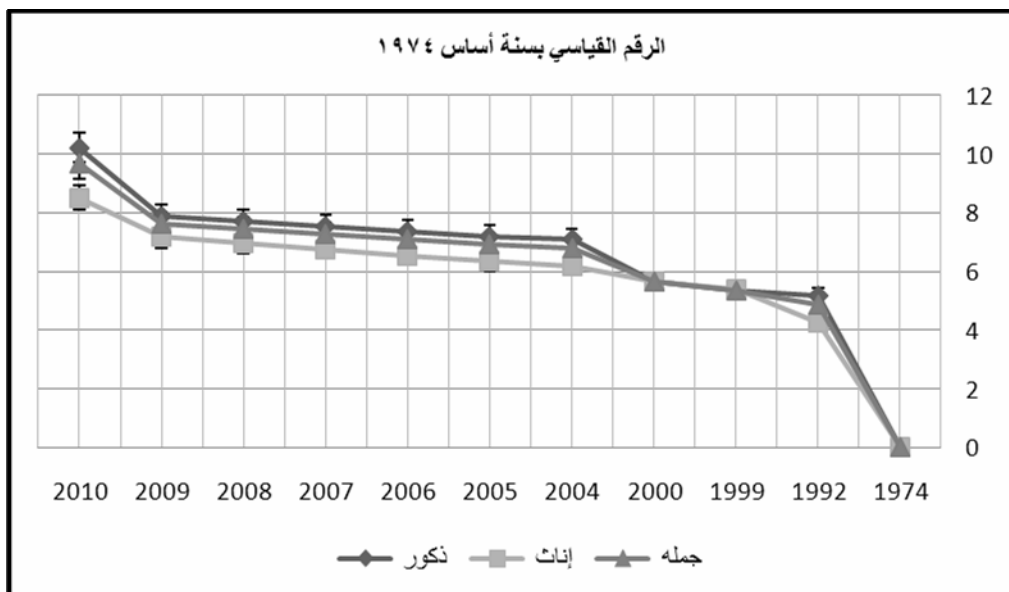
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(9)

(1974)



(8)

(1974)

%141.8	%127.2	%154.7	%486.3	%423.6	%517.4	%98.0	%101.5	%94.6	1992
%183.8	%176.5	%190.3	%534.9	%538.1	%533.2	%139.2	%145.2	%133.5	1999
%197.4	%190.0	%204.0	%564.6	%564.2	%564.9	%150.7	%157.5	%144.2	2000
%223.5	%207.9	%237.4	%677.5	%616.8	%707.7	%165.8	%172.4	%159.5	2004
%229.8	%214.2	%243.6	%691.9	%634.1	%720.6	%171.0	%177.7	%164.7	2005
%237.8	%222.1	%251.7	%710.1	%655.0	%737.4	%177.7	%184.5	%171.3	2006
%245.9	%230.1	%259.8	%728.1	%675.8	%754.1	%184.5	%191.4	%178.0	2007
%253.9	%238.1	%267.9	%745.9	%696.3	%770.5	%191.3	%198.3	%184.7	2008
%262.0	%246.2	%3659.7	%763.4	%716.7	%786.6	%198.2	%205.3	%191.4	2009
%287.1	%255.2	%315.3	%965.5	%851.3	%1022.2	%200.8	%203.5	%198.3	2010

Pearson) (9) (Correlation
 $(0.01 \geq \alpha)$

$(0.01 \geq \alpha)$

(9)

**900.	**832.	609.	
595.	**834.	600.	
**897.	**833.	605.	
**840.	646.	587.	
**904.	**827.	613.	
**870.	*709.	602.	
			**
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4.4

(2005) :

Siu) (1996) (1999) (2005)

,(Kwong, Wong,2007

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(10) (10)

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(1998) (%109) (1984) (%13)

.(2009) (%283) (2004) (%230)

(1994) (%18.6)

.(2009) (%175) (2004) (%132)

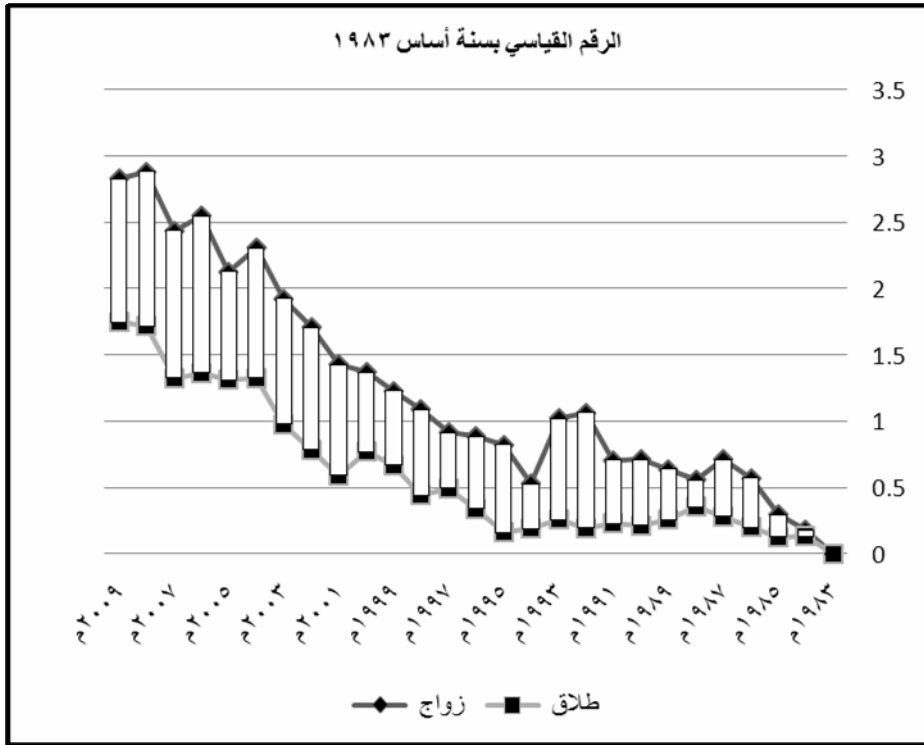
(10)

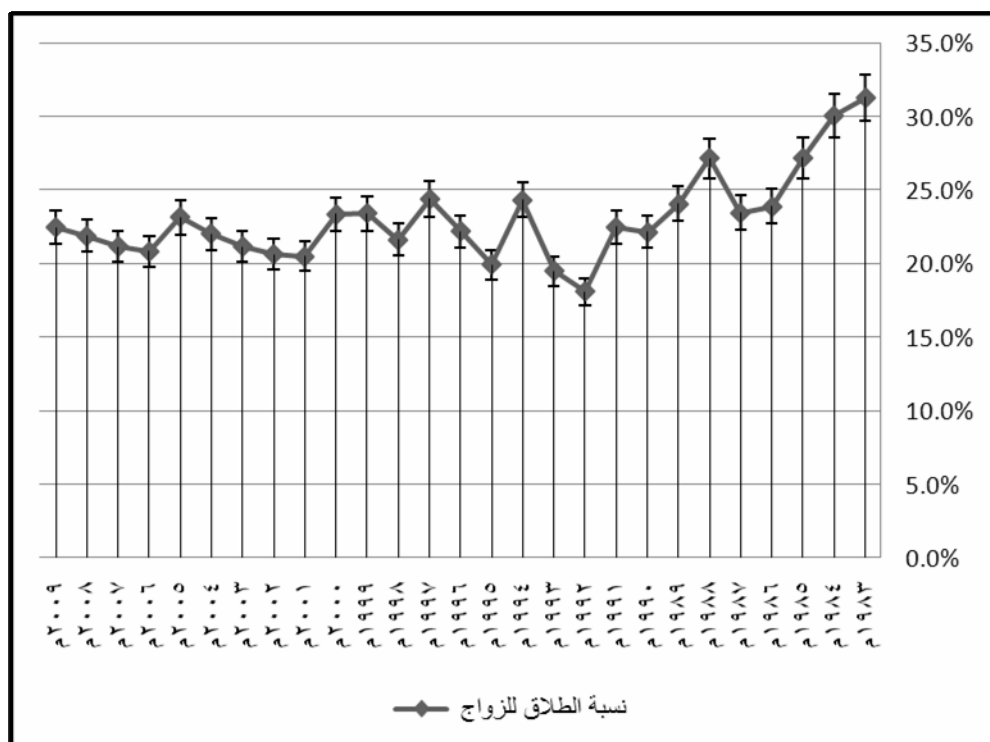
(11)

(%24) (1992) (%18) (1983) (%31)

.(%22) (2009) (1997)

1983





(10)

(2009 1983)

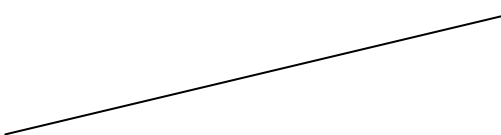
1983					
%31.3			10518	33607	1983
%30.0	%12.9	%17.7	11880	39556	1984
%27.2	%12.4	%29.4	11820	43487	1985
%23.9	%20	%57.2	12621	52828	1986
%23.4	%28	%70.9	13465	57421	1987
%27.1	%35.1	%55.8	14205	52354	1988
%24.1	%25.8	%63.3	13234	54986	1989
%22.2	%21.2	%71.1	12744	57499	1990
%22.5	%22.5	%70.4	12885	57260	1991
%18.1	%19.3	%106.3	12547	69340	1992
%19.5	%25.8	%102.1	13227	67934	1993
%24.3	%18.6	%52.2	12478	51265	1994
%19.9	%15.9	%82	12192	61172	1995
%22.2	%33.6	%88.5	14054	63353	1996
%24.4	%49.2	%91.4	15697	64339	1997
%21.6	%44.2	%108.8	15169	70169	1998
%23.4	%66.6	%123	17528	74938	1999
%23.3	%76.7	%136.8	18583	79595	2000
%20.5	%59	%142.7	16725	81576	2001
%20.6	%78.4	%170.7	18765	90982	2002
%21.1	%97.7	%192.6	20794	98343	2003
%22.0	%132.3	%230.5	24435	111063	2004
%23.1	%131.2	%212.6	24318	105066	2005
%20.8	%136.4	%255	24862	119294	2006
%21.1	%132.2	%243.8	24428	115549	2007
%21.9	%171.5	%288.2	28561	130451	2008
%22.4	174.5	%282.8	28867	128635	2009
(2009-1983)					
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(11)

($\alpha \leq 0.01$)

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(11)



** 865.	** 764.	** 682.
** 897.	** 793.	** 710.

.	0.01	**
.	0.05	*

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5.4

(2006) :

Gould &) (Kent & Goe, 2004) (2004) (2005)
.(Sue,1980) (Stack,1984) (Chiu & Madden, 1998) (Mustard,2002

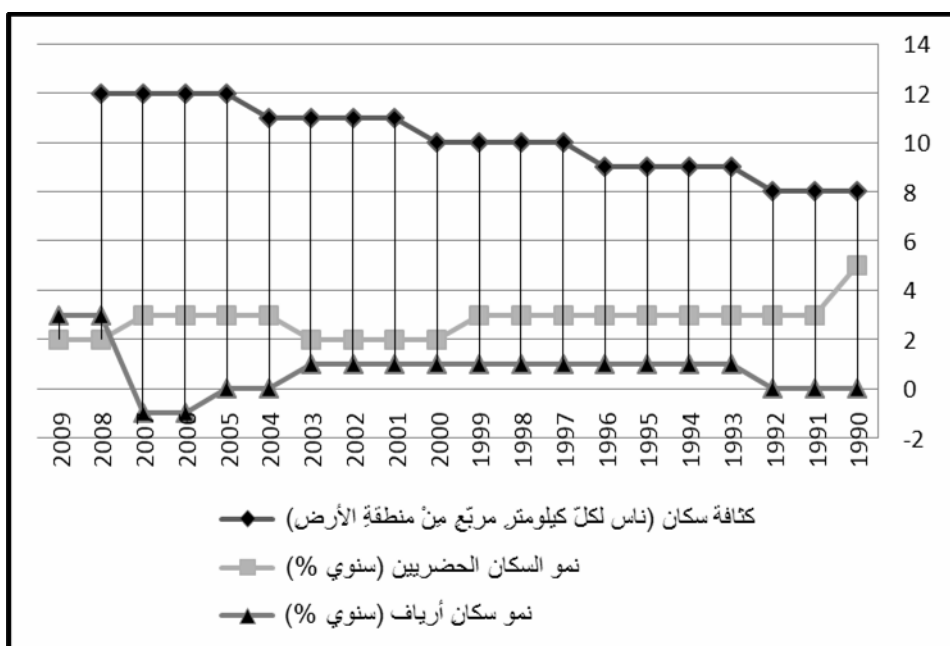
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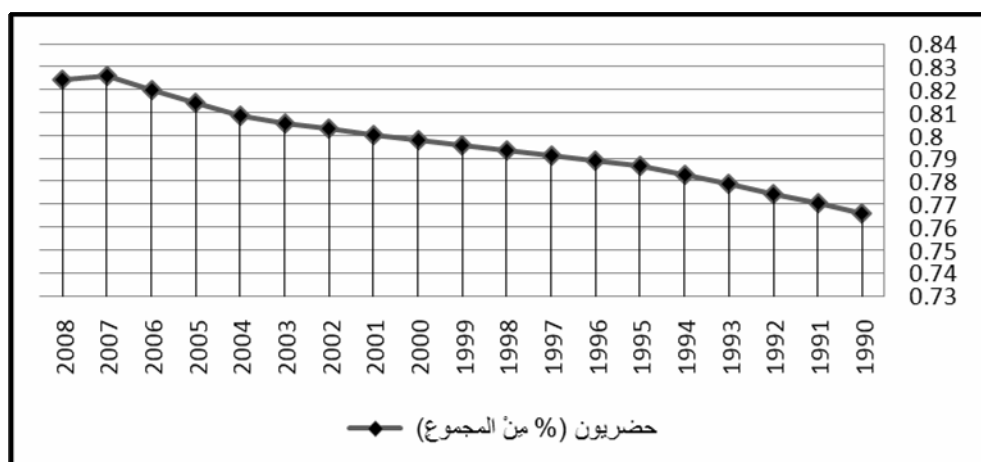
(12) (/12)

(/12)

(13)

12





(12)

()		%)		%)		%)		%)	
()	(%)	()	(%)	()	(%)	()	(%)	()	(%)
1050	0	23	5	766.0	12454290	3804574	8	1990	
	0	23	3	7702.0	12785356	3814691	8	1991	
	0	23	3	7744.0	13124832	3823556	8	1992	
	1	22	3	7786.0	13530868	3847591	9	1993	
	1	22	3	7828.0	13949059	3870383	9	1994	
500-	1	21	3	787.0	14379762	3891854	9	1995	
	1	21	3	7892.0	14785870	3949394	9	1996	
	1	21	3	7914.0	15203330	4007347	10	1997	
	1	21	3	7936.0	15632455	4065699	10	1998	
	1	20	3	7958.0	16073568	4124432	10	1999	
70	1	20	2	798.0	16474009	4170112	10	2000	
	1	20	2	8004.0	16888517	4211579	11	2001	
	1	20	2	8028.0	17313298	4252843	11	2002	
	1	19	2	8052.0	17748606	4293875	11	2003	
	0	19	3	8084.0	18212720	4316622	11	2004	
285	0	19	3	8142.0	18823485	4295509	12	2005	
	1-	18	3	82.0	19416656	4262193	12	2006	
	1-	17	3	8258.0	19949207	4208224	12	2007	
	3	18	2	8242.0	20312974	4332712	12	2008	
	3	18	2		20683297	4460512		2009	
25.226	75.0	25.20	80.2	80.0	16387108	4100185	11.10		

.(2011)

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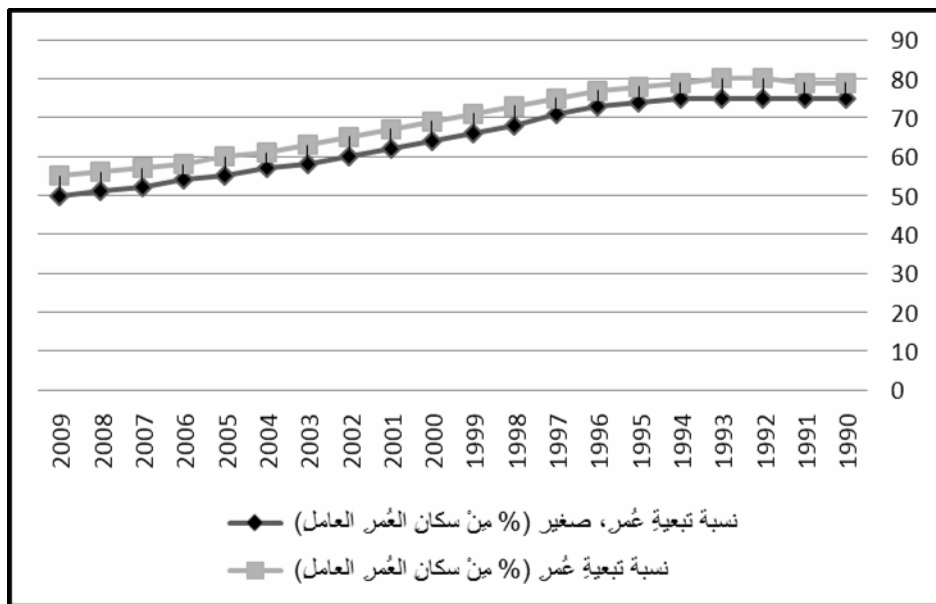
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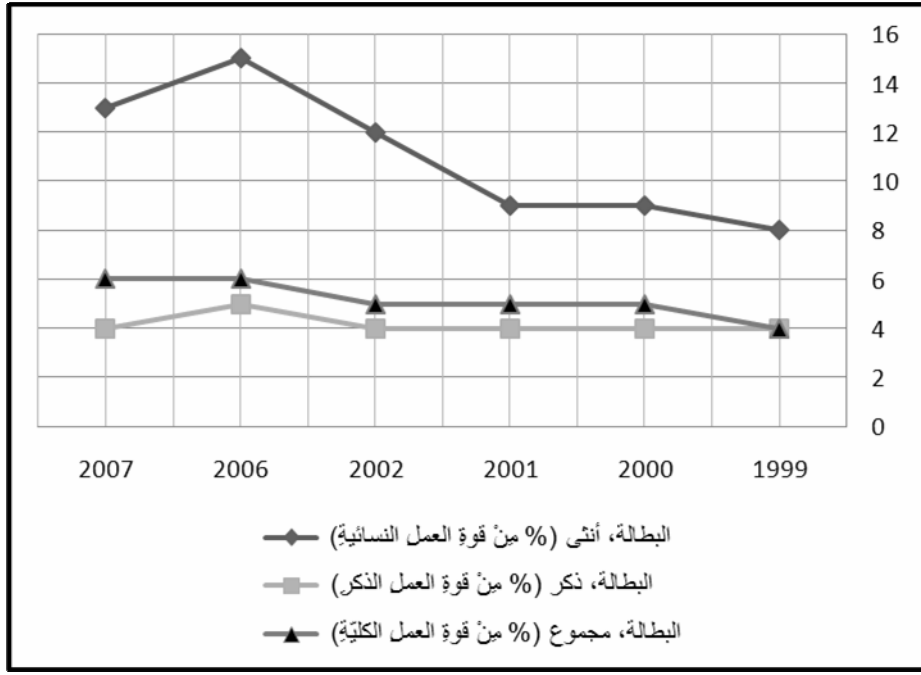
($\alpha \leq 0.01$)

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(((((((
			79	4	75	1990
			79	4	75	1991
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			79	4	75	1994
			78	4	74	1995
			77	4	73	1996
			75	4	71	1997
			73	5	68	1998
8	4	4	71	5	66	1999
9	4	5	69	5	64	2000
9	4	5	67	5	62	2001
12	4	5	65	5	60	2002
			63	4	58	2003
			61	4	57	2004
			60	4	55	2005
15	5	6	58	4	54	2006
13	4	6	57	4	52	2007
			56	4	51	2008
			55	5	50	2009
00.11	17.4	17.5	10.69	30.4	50.64	

WDI .(2011) :

732.	666.	* 855.	(%)
258.	098.	385.	(%)
747.	632.	** 918.	(%)
** 856.-	** 782.-	** 627.-	(%)
159.	398.	281.		%)
				(
** 851.-	** 785.-	** 630.-		%)
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 $(\alpha \leq 0.05)$

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($\alpha \leq 0.05$)

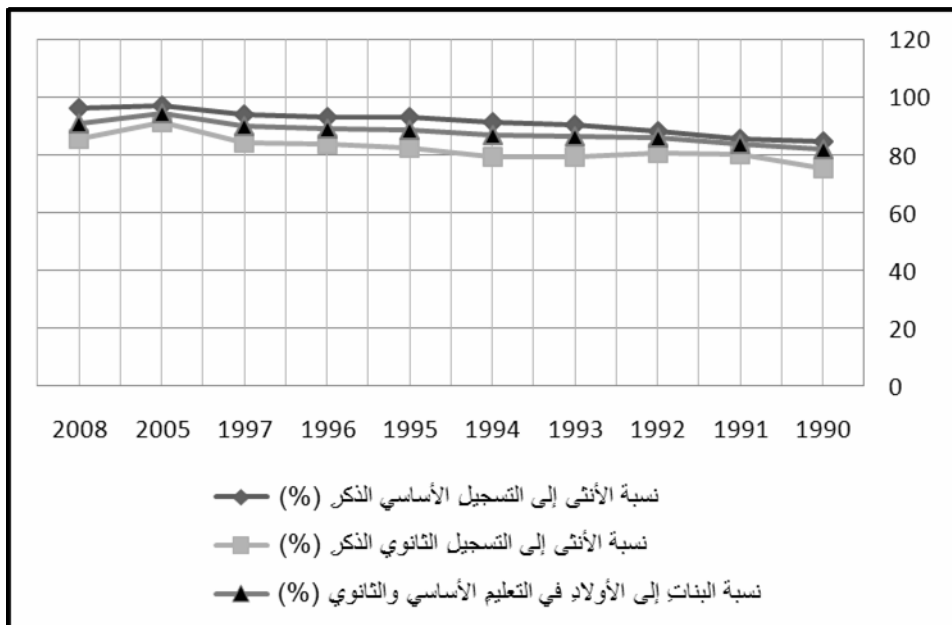
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			%)	%)		(%)	(%)	
		(((%)	
428231	591521	1019752	46.58	82.81		17.75	80.84	1990
439407	605137	1044301	04.59	83.83	05.88	38.80	36.85	1991
486801	622860	1104230	34.58	74.85	93.74	74.80	35.88	1992
495459	617584	1108059	66.59	29.86	75.95	47.79	27.90	1993
507988	623415	1126403	30.60	78.86	88.90	52.79	4.91	1994
				78.88	94.97	48.82	11.93	1995
522800	632612	1155412	89.60	09.89	48.101	81.83	85.92	1996
574331	645215	1219546	70.59	86.89	64.95	20.84	10.94	1997
					76.149			1999
					77.144			2000
					98.138			2001
					66.161			2002
					33.156			2003
					67.156			2004
273150	271945	545095	96.82	37.94	76.149	23.91	16.97	2005
					03.146			2006
247244	254601	501845	48.84				38.96	2007
243986	259390	503376	54.84	88.90	46.165	37.85	18.96	2008
421939	512428	9.932801	84.66	75.87	89.125	24.82	82.91	
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*729.	**823.	496.	(%)
563.	544.	397.	(%)
628.	*680.	434.	(%)
**888.	**797.	*708.	(%)
**868.-	*739.-	*695.-	
**786.-	611.-	*672.-	
**908.	**886.	*700.	%)
			(
**913.	**870.	*753.	%)
			(
**909.	**878.	*720.	%)
			(
**903.	**859.	*709.	
628.	*865.	594.	(%)
*744.-	**805.-	592.-	(%)
**808.-	*736.-	*702.-	(%)
**824.-	**787.-		(%)
**914.-	**931.-	*738.-	(%)
**875.-	*738.-	686.-	(%)
**912.-	**856.-	*723.-	(%)

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